



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
28.07.1999 Bulletin 1999/30

(51) Int Cl.⁶: **G06F 11/10, G06F 1/00**

(43) Date of publication A2:
19.08.1998 Bulletin 1998/34

(21) Application number: **98300790.7**

(22) Date of filing: **04.02.1998**

(84) Designated Contracting States:
**AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC
NL PT SE**
Designated Extension States:
AL LT LV MK RO SI

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(30) Priority: **12.02.1997 US 797966**

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(54) **Security device for a video digital to analog converter**

(57) A method and circuits for checking of a pattern on a display is provided where the CRC of the pattern is calculated and compared to a CRC reference. A blanking signal is produced when the two patterns do not match. For additional security the CRC circuit can generate a second CRC value based on a second seed

value and the video pixel data. The comparison circuit compares the second CRC value to a second CRC reference stored in a second member. Having two CRC values increases the security, because to keep the D/A converter from shutting down either the protected pattern or a different pattern that produces two identical CRC values has to be generated.

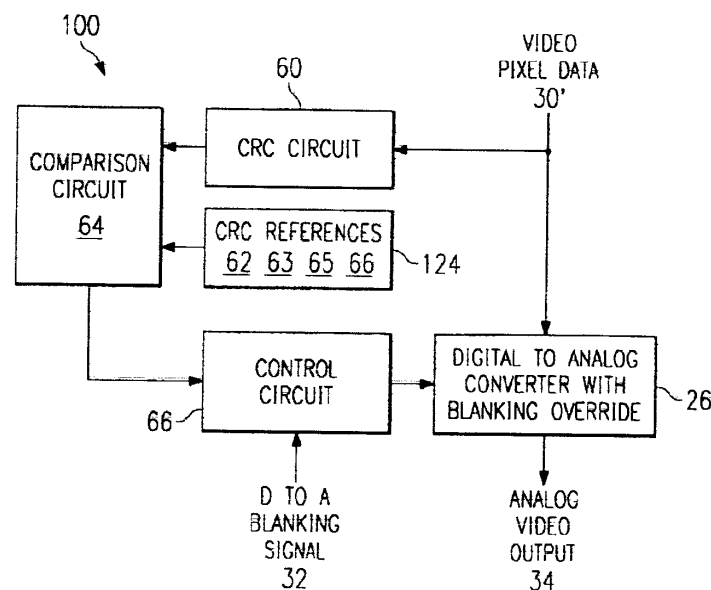


FIG. 2



European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 98 30 0790

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			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 21 May 1999	Examiner Herreman, G
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03/82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 98 30 0790

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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21-05-1999

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82